

===== WPI =====

TI - Image processor for MRI appts used in ischemic heart disease treatment - has integration unit that unifies edge image information of every background area to obtain single image information

AB - J09153141 The processor has an input unit (1) through which the MR image is input. A converter (2) generates the brightness enhancement image information based on the brightness of the background area of the MR image.

- An edge detector (3) creates the edge image information for every background area based on the brightness enhancement image information. An integrator (4) unifies the edge image information created for every background area to obtain one image information.

- ADVANTAGE - Enables efficient extraction of edge of object area of MR image.

- (Dwg.1/15)

PN - JP9153141 A 970610 DW9733 G06T9/20 009pp

PR - JP950310794 951129

PA - (TOKE ) TOSHIBA KK

MC - S05-D02B2 T01-J06A T01-J10B

DC - P31 S05 T01

IC - A61B5/055 ;G06T1/00 ;G06T9/20

AN - 97-360876 [33]

===== PAJ =====

TI - PICTURE PROCESSOR AND PICTURE PROCESSING METHOD

AB - PROBLEM TO BE SOLVED: To detect the edge of an object area even when the object picture to be obtained in an MR image comes into contact with two or more background areas by preparing an edge picture information in which the edge is detected from a brightness emphasis picture information prepared for every background area.

- SOLUTION: An image input part 1 inputs the desired picture. Each of brightness conversion parts 2 consists of an emphasis brightness setting part and a picture emphasis part. The emphasis brightness setting part sets the brightness of two kinds of pictures and the picture emphasis part executes the emphasis brightness of the picture based on the emphasis luminance set by the emphasis brightness setting part. Each of edge detection parts 3 obtains the position of edge through the use of a gradient method with respect to each of the two emphasis pictures obtained by each of brightness conversion parts. An edge integrating part 4 obtains a final edge picture from the two edge picture obtained by the edge detection parts 3. In the final edge picture, the edges obtained by both edge detection parts 3 appear.

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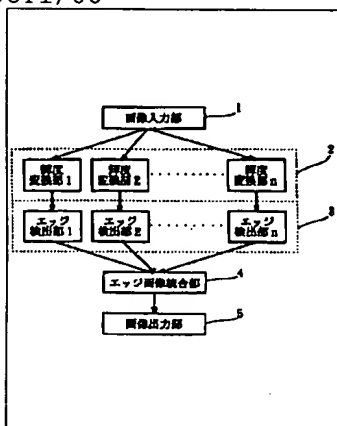
ABV - 097010

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PA - TOSHIBA CORP

IN - YUASA MAYUMI

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